

CLAIMS

1. A container comprising a hollow body, a closure movable between a closed condition and an open condition, a locking part for securing the closure in the closed condition, the locking part being moveable between a locking position and an unlocked position, and actuator means for moving the locking part from the unlocked position to the locking position as the closure is transferred between the respective conditions.
2. A container as claimed in Claim 1, wherein the arrangement is such that as the closure is moved to the open condition the actuator means moves the locking part to the locked position.
3. A container as claimed in Claim 1 or Claim 2, wherein the arrangement is such that as the closure is moved to the closed condition the actuator means moves the locking part to the locked position.
4. A container as claimed in Claim 2, wherein the closure and the locking part comprise respective cooperating locking elements, the arrangement being such that in use as the closure is removed from the body to open the container, the actuator means moves one of the locking elements relative to the other locking element.
5. A container as claimed in Claim 3, wherein the arrangement of the cooperating locking elements located on the closure and the locking part is such that as the closure is pushed back onto the body to close the container, the actuator means moves one of the locking elements relative to the other locking element.
6. A container as claimed in claim 4, wherein the cooperating locking elements are located on the body and the locking part, the arrangement being such that when the closure is removed from the body to open the container, the actuation means moves one of the locking elements relative to the other locking element and the arrangement of the cooperating locking elements located on the body and the locking part is such that when the closure is pushed back onto the body to close the container, the actuation means moves one of the locking elements relative to the other locking element.
7. A container as claimed in any of the preceding claims, wherein the locking part is a locking ring.
8. A container as claimed in any of the preceding claims 2 to 7, wherein the actuator means comprises an elongate member disposed on the inside of the closure, and the locking ring comprises a ramp, the ramp being sloped such that when the elongate member makes contact with the ramp and is slid progressively along a surface of the ramp, rotation of the locking ring results such that the indicators on the body and/or closure and the locking part are no longer aligned.

9. A container as claimed in claim 8, wherein the arrangement of the elongate member and the ramp is such that when the closure is removed from the body to open the container, the elongate member makes contact with a first surface of the ramp and rotation of the locking ring results such that the indicators on the body and/or closure and the locking part are no longer aligned.
10. A container as claimed in claim 8 or claim 9, wherein the arrangement of the elongate member and the ramp is such that when the closure is placed back onto the body to close the container and the indicators are aligned, the elongate member makes contact with a second surface of the ramp and rotation of the locking ring results such that the indicators on the body and/or closure and the locking part are no longer aligned.
11. A container as claimed in any one of claims 8 to 10, wherein the ramp protrudes from a radially inner surface of the locking ring.
12. A container as claimed in any one of claims 8 to 11, wherein in the ramp is a channel formed in the wall of locking ring, the central axis of the channel being at an angle from the axis of the ring.
13. A container as claimed in any one of claims 8 to 12, wherein the elongate member is a flexible cantilever.
14. A container as claimed in any one of claims 8 to 13, wherein the elongate member is hook shaped cantilever, extending from the inside surface of the closure.
15. A container as claimed in any one of the preceding claims, wherein the locking part is located between the body and the closure.
16. A container as claimed in claim 15, wherein the cooperating locking element located on the closure is a lug.
17. A container as claimed in claim 4, wherein the cooperating locking element located on the locking part is a circumferential flange on the inside surface of the locking part and the lug is formed on the elongate member, the flange being formed with a recessed portion through which the lug can pass during opening and closing of the closure.
18. A container as claimed in claim 17, wherein the ramp is disposed axially below the circumferential flange and generally inline with the recessed portion of the flange, the arrangement being such that there is a gap between the uppermost part of the ramp and the circumferential flange.
19. A container as claimed in claim 4, wherein the cooperating locking element located on the locking part is a circumferential track attached to the inside surface of the locking part and the lug is formed with a distal head part, the lug extends from an inner surface of the closure,

the track being formed with an access hole through which the head of the lug can pass during opening and closing of the closure.

20. A container as claimed in claim 19, wherein the ramp is preferably disposed axially above the circumferential track.

21. A container as claimed in claim 19, wherein the arrangement of the ramp and the flange is such that upon rotation of the locking part in one direction the lug first passes through the gap and generally aligns with the recess before the elongate member makes contact with the ramp.

22. A container as claimed in any one of the preceding claims, wherein the body has an outlet, which can be sealed by a sealing element located on the closure.

23. A container as claimed in any one of claims 19 to 22, wherein the lug comprises a member formed with a barbed distal end.

24. A method for locking a closure to a container according to the first aspect of the present invention, the method comprising moving a locking part from an unlocked position to a locking position as a closure is transferred between respective conditions.

25. A method as claimed in claim 24, wherein as the closure is moved to the open condition the actuator means moves the locking part to the locked position.

26. A method as claimed in claim 24 or claim 25, wherein as the closure is moved to the closed condition the actuator means moves the locking part to the locked position

27. A method as claimed in any one of claims 24 to 26, wherein the method comprises automatically moving a locking part from an unlocked position to a locking position as a closure is transferred between respective conditions.

28. A closure for a container according to any one of the preceding claims.

29. A locking part for a container according to any one of the preceding claims 1 to 23.

30. A hollow body for a container according to any one of the preceding claims 1 to 23.

31. A closure for a container according to any one of the preceding claims 1 to 23.

32. Actuator means for a container according to any one of the preceding claims 1 to 23.

33. A container as claimed in any one of the preceding claims 1 to 23, wherein the container comprise a second containment volume.

34. A container as claimed in claim 33, wherein the container comprises a third containment volume.

35. A container as claimed in claim 32 or 34, wherein at least one of the further containment volumes is disposed at the upper volume of the body.

36. A container as claimed in claim 35, wherein at least one of the further containment volume is sealed by the closure.

37. A closure and features of a closure substantially as herein described with reference to the accompanying Figure.